HARSH AGARWAL

Strong foundation in data science, machine learning, and data analysis with hands-on experience in developing end-to-end solutions using Python and ML algorithms. Proficient in gathering, cleaning, and visualizing data to build accurate, insightful predictive models. Experienced in applying statistical methods and machine learning to solve real-world problems through practical projects. Passionate about continuous learning and exploring new tools to enhance decision-making. Eager to contribute to innovative, data-driven projects in a dynamic environment while growing professionally.

PROJECTS

Rent Wise — ML Model for Accurate Rental Price Estimation
https://rentwise-1.onrender.com

- Developed a complete end-to-end **rental price prediction** system using machine learning with data scraped from MagicBricks.com.
- Trained an **XGBoost** regression model using key features such as location, area, BHK, and furnishing status to ensure accurate predictions.
- Built a responsive and intuitive **web interface** that allows users to input property details and receive real-time rent predictions.
- Applied **data preprocessing** techniques including feature scaling and encoding to improve model performance and generalization.
- Fine-tuned **hyperparameters** to enhance model accuracy and reliability.

Road Accident Analysis — Data-Driven Insights for Traffic Safety
https://github.com/harshaga819/accidentDataAnalysis-

- **Project Overview:** Studied accident data to find key factors influencing crash severity and frequency across different conditions.
- **Optimized Performance:** Cleaned data, selected key features, and used visualizations to highlight trends in accident causes.
- **Code Quality:** Wrote clear, documented code with structured analysis, modular design, and basic machine learning models.
- **Impact:** Identified risky conditions and locations, helping improve traffic planning and road safety measures.

IPL Auction 2025 Analysis — Uncovering Trends in Team Spending
https://github.com/harshaga819/ipl2025AuctionAnalysis

- Extracted IPL 2025 auction data by implementing web scraping using Python libraries like BeautifulSoup and Requests to collect player details, prices, and team allocations.
- Processed and structured the dataset using Pandas for efficient data handling, including cleaning, formatting, and dealing with missing values.
- Performed in-depth analysis to uncover patterns such as top player buys, team-wise budget usage, and role-based or nationality-based trends in the auction.
- Created impactful visualizations using Matplotlib and Seaborn to clearly represent insights and make the analysis more interpretable for cricket enthusiasts and analysts.

Jaipur, Rajasthan, India
(+91) 8209305539
Gmail: harshaga41@gmail.com
Github: github.com/harshaga819
Portfolio: harshhub.netlify.app/
LinkedIn: linkedin.com/harshaga819

SKILLS

Tools & Libraries: Numpy, Pandas, Matplotlib, Seaborn, Sklearn, ML Algorithms

Language: Python, C, C++

Database: SQL, MYSQL

Version Control: Git, Github

CERTIFICATIONS

Data Base Management System (NPTEL)

Problem Solving (Hacker-Rank)

EDUCATION

Arya College of Engineering and IT
Bachelor in computer science **(2022-2026)**

MPS International School
Major in Phy., Math, Chem. **(2020-2022)**

INTERESTS

Reading News

Listening to music